

Calreticulin, 18-417aa, Human, His tag, E.coli

Cat.NO.: TP01410

3th Edition

Synonyms:cC1qR, CRT, FLJ26680, RO, SSA.

Description:Calreticulin is the major calcium binding protein found in smooth muscle sarcoplasmic reticulum (SR) and non-muscle endoplasmic reticulum (ER) membranes. Calreticulin can inhibit the binding of androgen receptor to its hormone-responsive DNA element and can inhibit androgen receptor and retinoic acid receptor transcriptional activities in vivo, as well as retinoic acid-induced neuronal differentiation.

Form:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 0.1M NaCl, 10% glycerol

Molecular Weight:48.7 kDa (421aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMEPAVYFKEQFLDGDGWTSRWIESKHKSDFGKFVLSSGKFYGDEEKDKGLQTS
QDARFYALSASFEPFSNKGQTLVVQFTVKHEQNIDCGGGYVKLFPNSLDQTDMHGDSEYNIMFGPDICGPGTKKV
HVIFNYKGKNVLINKDIRCKDDEFTHLYTLVLRPDNTYEVKIDNSQVESGSLEDDWDFLPPKKIKDPDASKPEDWDER
AKIDDPTDSKPEDWDKPEHIPDPDAKKPEDWDEEMDGEWEPPVIQNPEYKGEWKPRQIDNPDYKGTWIHPEIDNP
EYSPDPSIYAYDNFVGLGLDLWQVKSQTIFDNFLITNDEAYAEFNETWGVTKAAEKQMKDKQDEEQRLKEEEED
KKRKEEEEAEDKEDDEDKDEDEEDEDKEEDEEEDVPGQAKDEL

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.